Remarks

The Examiner is respectfully requested to enter the above amendment to the Specification and Claim 10 prior to examination. The amendments to the Specification and Claim 10 are to correct clerical inadvertences and to amend Equation (1) in the Specification.

If any matters can be handled by telephone, Applicant requests that the Examiner telephone Applicant's attorney at the number below.

The Commissioner is authorized to charge any additional fees to Deposit Account No. 20-0782 (Order No. 8033064).

Respectfully submitted,

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10.   The interferometer of claim 9 wherein the intensity for the first assembled beam is determinable as, [$I = Ia + Ib \cos(\varnothing)$]$I = I_a + I_b \cos(\varnothing)$, where $\varnothing$ is phase of the first assembled beam, [$Ia = (Imax + Imin)/2$ and $Ib = (Imax - Imin)/2$ and where $Imax$ and $Imin$]$I_a = (I_{max} + I_{min})/2$ and $I_b = (I_{max} - I_{min})/2$ where I_{max} and I_{min} are the maximum and minimum intensities of the first assembled beam, wherein the intensity for the second assembled beam is determinable as, [$Q = Qa - Qb \sin(\varnothing)$]$Q = Q_a - Q_b \sin(\varnothing)$, where $\varnothing$ is phase angle of the second assembled beam, [$Qa = (Qmax + Qmin)/2$ and $Qb = (Qmax - Qmin)/2$ and where $Qmax$ and $Qmin$]$Q_a = (Q_{max} + Q_{min})/2$ and $Q_b = (Q_{max} - Q_{min})/2$ and where Q_{max} and Q_{min} are the maximum and minimum intensities of the second assembled beam, and wherein the phase angle for the first assembled beam for wrapped phase is determinable as, [$\varnothing = \cos\text{-}1[(I\text{-}Ia)/Ib]$ for $Q\text{-}Qa \leq 0$ and $\varnothing = 2n - \cos\text{-}1[(I\text{-}Ia)/Ib]$ for $Q\text{-}Qa>0$]$\varnothing = \cos^{-1}[(I\text{-}I_a)/I_b]$ for $Q\text{-}Q_a \leq 0$ and $\varnothing = 2n - \cos^{-1}[(I\text{-}I_a)/I_b]$ for $Q\text{-}Q_a>0$, and wherein the phase angle for the second assembled beam for wrapped phase is determinable as, [$\varnothing = \sin\text{-}1[(Qa\text{-}Q)/Qb]$ for $I\text{-}Ia \geq 0$ and $Q\text{-}Qa \leq 0$, $\varnothing = n - \sin\text{-}1[(Qa\text{-}Q)/Qb]$ for $I\text{-}Ia<0$ and $\varnothing = 2n + \sin\text{-}1[(Qa\text{-}Q)/Qb]$ for $I\text{-}Ia \geq 0$ and $Q\text{-}Qa>0$]$\varnothing = \sin^{-1}[(Q_a\text{-}Q)/Q_b]$ for $I\text{-}I_a \geq 0$ and $Q\text{-}Q_a \leq 0$, $\varnothing = n - \sin^{-1}[(Q_a\text{-}Q)/Q_b]$ for $I\text{-}I_a<0$ and $\varnothing = 2n + \sin^{-1}[(Q_a\text{-}Q)/Q_b]$ for $I\text{-}I_a \geq 0$ and $Q\text{-}Q_a>0$.